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P. 030

Attorney's Docket No. 35718/201902 (5718-103)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Bidney *et al.* Group Art Unit: 1638
Appl. No.: 09/714,767 Examiner: (not yet assigned)
Filed: November 16, 2000
For: SUNFLOWER RHOGAP, LOX, ADH, AND SCIP-1
POLYNUCLEOTIDES AND METHODS OF USE

April 25, 2001

Commissioner for Patents
Washington, DC 20231

**INFORMATION DISCLOSURE STATEMENT
CITATION UNDER 37 C.F.R. § 1.97**

Sir:

Attached is a list of documents on Form PTO-1449 together with a copy of each identified document. It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

It is further requested that upon issuance, the cited pending U.S. Application (No. 59) not be printed on the face of the patent.

Respectfully submitted,

Kelly J. Williamson

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N/A

Rebecca Kerney
RTA01/200500301

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Rebecca Kerney
Rebecca Kerney

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P. 028

Attorney's Docket No. 35718/201902 (5718-103)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:	Bidney, et al.	Confirmation No.:	5068
Appl. No.:	09/714,767	Group Art Unit:	1638
Filed:	11/16/2000	Examiner:	(not yet assigned)
For:	SUNFLOWER RHOGAP, LOX, ADH, AND SCIP-1 POLYNUCLEOTIDES AND METHODS OF USE		

September 27, 2001

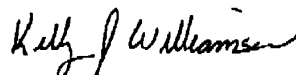
Commissioner for Patents
Washington, DC 20231

SUPPLEMENTAL CITATION UNDER 37 C.F.R. § 1.97

Sir:

Attached is a Supplemental Form PTO-1449 listing several documents cited in the International Search Report for the corresponding International Application Number PCT/US00/31187 not more than three months prior to the filing of this Statement. A copy of each document, including the Search Report, is enclosed. It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

Respectfully submitted,

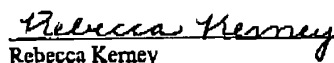


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Rebecca Kerney

RTA01/2103488v1

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known				
				Application Number	09/714,767			
				Filing Date	November 16, 2000			
				First Named Inventor	Bidney			
				Group Art Unit	1638			
				Examiner Name	(not yet assigned)			
Sheet	1	of	1	Attorney Docket Number	35718/201902 (5718-103)			
U. S. PATENT DOCUMENTS								
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document Office ³	Number ⁴	Kind Code (if known) ⁵	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	60	WO	99/04013	A2	Pioneer Hi-Bred International, Inc.	01-28-1999	Whole Document	
	61	EP	1 033 405	A2	Ceres Incorporated	09-06-2000	Whole Document	
NON PATENT LITERATURE DOCUMENTS								
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						T
	62	EMBL Database Report for Accession No. AW031283, September 17, 1999 (XP-002174684).						
	63	EMBL Database Report for Accession No. Q81806, November 1, 1998 (XP-002174683).						
	64	GENTZBITTEL, L. et al., "Cloning of Molecular Markers for Disease Resistance in Sunflower, <i>Helianthus Annuus</i> L.," <i>Theoretical and Applied Science</i> , March 1998, pp. 519-525, Vol. 96(3), Springer, Germany.						
	65	TAKAI Y., et al., "Rho as a Regulator of the Cytoskeleton" <i>Trends in Biochemical Sciences</i> , June 1995, pp. 227-231, Vol. 20(6), Elsevier Science Ltd., United Kingdom.						
	66	WYNGE, P., et al., "Cloning and Characterization of Rac-like cDNAs from <i>Arabidopsis thaliana</i> " <i>Plant Molecular Biology</i> , 1997, pp. 483-495, Vol. 35, Kluwer Academic Publishers, Belgium.						
	67	Invitation to Pay Additional Fees with Partial Search Report mailed August 27, 2001 for International Application No. PCT/US00/31187 filed November 13, 2000.						
Examiner Signature						Date Considered		

* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RTA01/2103489v1

¹ Unique citation designation number.

² See attached Kinds of U.S. Patent Documents.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document to be cited as indicated on the document under WIPO Standard ST.16 if possible.

⁶ If language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known				
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				Filing Date	November 16, 2000			
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Examiner Name	(not yet assigned)							
Sheet	1	of	4	Attorney Docket Number	35718/201902 (5718-103)			
U. S. PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear		
	1	5,844,121		The Texas A&M University System	12-01-1998	Whole Document		
FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document Office ³	Number ⁴	Kind Code (if known) ⁵	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
NON PATENT LITERATURE DOCUMENTS								
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					T	
	2	BARRETT <i>et al.</i> (1997) "The Structure of the GTPase-Activating Domain from p50rhoGAP" <i>Nature</i> 385:488-461.						
	3	BOGUSKI <i>et al.</i> (1994) "Proteins Regulating Ras and Its Relatives" <i>Nature</i> 366:643-654.						
	4	BORG <i>et al.</i> (1999) "Plant Cell Growth and Differentiation May Involve GAP Regulation of Rac Activity" <i>PEBS Letters</i> 453:341-345.						
	5	BOURNE <i>et al.</i> (1990) "The GTPase Superfamily: A Conserved Switch for Diverse Cell Functions" <i>Nature</i> 348:125-132.						
	6	DE BRUXELLES <i>et al.</i> (1996) "Abscissic Acid Induces the Alcohol Dehydrogenase Gene in <i>Arabidopsis</i> " <i>Plant Physiol.</i> 111:381-391.						
	7	DOLFERUS <i>et al.</i> (1994) "Differential Interactions of Promoter Elements in Stress Responses of the <i>Arabidopsis Adh</i> Gene" <i>Plant Physiol.</i> 105:1075-1087.						
	8	DRÖGE-LASER <i>et al.</i> (1997) "Rapid Stimulation of a Soybean Protein-Serine Kinase That Phosphorylates a Novel bZIP DNA-Binding Protein, GHBF-1, during the Induction of Early Transcription-Dependent Defenses" <i>EMBO J.</i> 16(4):726-738.						
	9	EVLGEM <i>et al.</i> (1999) "Early Nuclear Events in Plant Defence Signalling: Rapid Gene Activation by WRKY Transcription Factors" <i>EMBO J.</i> 18(17):4689-4699.						
	10	HAKE <i>et al.</i> (1985) "Coordinate Induction of Alcohol Dehydrogenase I, Aldolase, and Other Anaerobic RNAs in Maize" <i>J. Biol. Chem.</i> 260(8):5050-5054.						
Examiner Signature						Date Considered		

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⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁶ Language Translation is attached.

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Sheet	2	of	4	Attorney Docket Number 35718/201902 (5718-103)	
	11	KAUSCH <i>et al.</i> (1997) "Molecular Cloning of a Ripening-Specific Lipooxygenase and Its Expression during Wild-Type and Mutant Tomato Fruit Development" <i>Plant Physiol.</i> 113:1041-1050.			
	12	LAMARCHE <i>et al.</i> (1994) "GAPS for rho-related GTPases" <i>Trends in Genetics</i> 10(12):436-440.			
	13	LANCASTER <i>et al.</i> (1994) "Characterization of rhoGAP" <i>J. Biol. Chem.</i> 269(2):1137-1142.			
	14	MATSUI <i>et al.</i> (1999) "Cucumber Cotyledon Lipooxygenase during Postgerminative Growth. Its Expression and Action on Lipid Bodies" <i>Plant Physiol.</i> 119:1279-1287.			
	15	MAUCH <i>et al.</i> (1997) "Mechanosensitive Expression of a Lipooxygenase Gene in Wheat" <i>Plant Physiol.</i> 114:1561-1566.			
	16	MELAN <i>et al.</i> (1993) "An <i>Arabidopsis thaliana</i> Lipooxygenase Gene Can Be Induced by Pathogens, Absciscic Acid, and Methyl Jasmonate" <i>Plant Physiol.</i> 101:441-450.			
	17	OUWERKERK <i>et al.</i> (1999) "A G-Box Element from the <i>Catharanthus roseus</i> Strictosidine Synthase (<i>Str</i>) Gene Promoter Confers Seed-Specific Expression in Transgenic Tobacco Plants" <i>Mol. Gen. Genet.</i> 261:635-643.			
	18	RANCE <i>et al.</i> (1998) "The Incompatible Interaction between <i>Phytophthora parasitica</i> var. <i>nicotianae</i> Race 0 and Tobacco Is Suppressed in Transgenic Plants Expressing Antisense Lipooxygenase Sequences" <i>Proc. Natl. Acad. Sci. USA</i> 95:6554-6559.			
	19	RIDLEY <i>et al.</i> (1992) "The Small GTP-Binding Protein Rac Regulates Growth Factor-Induced Membrane Ruffling" <i>Cell</i> 70:401-410.			
	20	ROBERTSON <i>et al.</i> (1995) "Rapid Changes in Oxidative Metabolism as a Consequence of Elicitor Treatment of Suspension-Cultured Cells of French Bean (<i>Phaseolus vulgaris</i> L.)" <i>Plant Mol. Biol.</i> 27:59-63.			
	21	ROYO <i>et al.</i> (1996) "Characterization of Three Potato Lipooxygenases with Distinct Enzymatic Activities and Different Organ-Specific and Wound-Regulated Expression Patterns" <i>J. Biol. Chem.</i> 271(35):21012-21019.			
	22	ROYO <i>et al.</i> (1999) "Antisense-Mediated Depletion of a Potato Lipooxygenase Reduces Wound Induction of Proteinase Inhibitors and Increases Weight Gain of Insect Pests" <i>Proc. Natl. Acad. Sci. USA</i> 96:1146-1151.			
	23	TORRES <i>et al.</i> (1976) "Dissociation-Recombination of Intergenic Sunflower Alcohol Dehydrogenase Isozymes and Relative Isozyme Activities" <i>Biochem. Genet.</i> 14(1/2):87-98.			
	24	VÖRÖS <i>et al.</i> (1998) "Characterization of a Methyljasmonate-Inducible Lipooxygenase from Barley (<i>Hordeum vulgare</i> cv. Salome) Leaves" <i>Eur. J. Biochem.</i> 251:36-44.			
	25	NCBI Accession No. AB017525.			
	26	NCBI Accession No. AB017528.			
	27	NCBI Accession No. AB024712.			
	28	NCBI Accession No. AB027456.			
	29	NCBI Accession No. AB027504.			
Examiner Signature				Date Considered	

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		Examiner Name	(not yet assigned)
		Attorney Docket Number	35718/201902 (5718-103)
Sheet	3	of	4
30	NCBI Accession No. AB027506.		
31	NCBI Accession No. AF064787.		
32	NCBI Accession No. AF145261.		
33	NCBI Accession No. AF159882.		
34	NCBI Accession No. CAA42686.		
35	NCBI Accession No. CAB50064.		
36	NCBI Accession No. D16111.		
37	NCBI Accession No. D87130.		
38	NCBI Accession No. NDPS7A.		
39	NCBI Accession No. O16264.		
40	NCBI Accession No. O84741.		
41	NCBI Accession No. P00331.		
42	NCBI Accession No. P12994.		
43	NCBI Accession No. P16140.		
44	NCBI Accession No. P28032.		
45	NCBI Accession No. P38418.		
46	NCBI Accession No. P38419.		
47	NCBI Accession No. P48977.		
48	NCBI Accession No. P54186.		
49	NCBI Accession No. P77368.		
50	NCBI Accession No. P93698.		
51	NCBI Accession No. Q40249.		
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Sheet	4	of	4	Attorney Docket Number	35718/201902 (5718-103)	
	52	NCBI Accession No. Q41261.				
	53	NCBI Accession No. Q96573.				
	54	NCBI Accession No. U84140.				
	55	NCBI Accession No. X54818.				
	56	NCBI Accession No. X62362.				
	57	NCBI Accession No. Z19625.				
	58	NCBI Accession No. Z23024.				
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